

Title (en)
DETERMINATION OF POSITIONS

Title (de)
POSITIONSBESTIMMUNG

Title (fr)
DÉTERMINATION DE POSITION

Publication
EP 2656096 B1 20200226 (DE)

Application
EP 11793346 A 20111104

Priority
• DE 102010063702 A 20101221
• EP 2011069401 W 20111104

Abstract (en)
[origin: WO2012084322A1] The invention relates to a method for determining positions, having a first step (10), wherein a first sequence (12) of positions is determined from radio signals of essentially positionally fixed transmitters and wherein a second sequence (14) of positions is determined from other sensor data by compound navigation. The core of the invention consists in the fact that the first sequence of positions (12) and the second sequence of positions (14) are compared with one another in a second step (20). The invention also relates to a computer program product for carrying out the method. The invention also relates to a position-determining device (100), in particular in a mobile terminal, having a receiver (110) for the radio signals of positionally fixed transmitters, having position-determining means (160) for determining a first position of the receiver from radio signals of positionally fixed transmitters, having sensors (120) at least for determining a direction and a distance in order to determine a second position by compound navigation, and having a memory (130) for storing a sequence of first positions and a sequence for second positions. The core of the invention consists in the fact that the position-determining device has a processing device (140) for comparing the sequence of first positions and the sequence of second positions.

IPC 8 full level
G01S 5/02 (2010.01); **G01C 21/12** (2006.01); **G01C 21/20** (2006.01)

CPC (source: CN EP KR US)
G01C 21/12 (2013.01 - CN EP US); **G01C 21/14** (2013.01 - KR); **G01C 21/206** (2013.01 - CN EP KR US); **G01R 27/32** (2013.01 - KR US); **G01S 5/0242** (2013.01 - CN EP KR US); **G01S 5/02521** (2020.05 - CN EP KR US); **G01S 5/02527** (2020.05 - EP); **G01S 5/0264** (2020.05 - CN EP KR US); **G01S 11/06** (2013.01 - KR)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012084322 A1 20120628; CN 103502833 A 20140108; CN 103502833 B 20180612; DE 102010063702 A1 20120621; EP 2656096 A1 20131030; EP 2656096 B1 20200226; JP 2014505241 A 20140227; JP 5717875 B2 20150513; KR 101902030 B1 20180927; KR 20130137015 A 20131213; US 2013314104 A1 20131128; US 9285408 B2 20160315

DOCDB simple family (application)
EP 2011069401 W 20111104; CN 201180061304 A 20111104; DE 102010063702 A 20101221; EP 11793346 A 20111104; JP 2013545128 A 20111104; KR 20137019001 A 20111104; US 201113996894 A 20111104